

cells that are characterized by the expression of smooth muscle α -actin, calponin and SM22 α , wherein the neural crest cell line is transformed with an oncogene; and

(ii) identifying genes which are up- or down-regulated under the culture conditions.

- Sub D2*
31. **(Amended)** The method of claim 7, wherein the culture conditions include the medium identified in Table 1.
 32. **(Amended)** The method of claim 7, wherein the oncogene is v-myc .
 33. **(Amended)** The method of claim 7, wherein the immortalized neural crest cells are Monc-1 cells.

Please insert new claims 34-38:

- D3*
- 34. **(New)** The method of claim 7, wherein the neural crest cells differentiate into a population of cells in which nearly 100% of the cells are smooth muscle cells
 35. **(New)** The method of claim 7, wherein the neural crest cells are murine neural crest cells.
 36. **(New)** The method of claim 31, wherein the culture conditions further include 10% fetal bovine serum and 25 mM Hepes (pH 7.4).
 37. **(New)** The method of claim 31, wherein the culture conditions do not include exogenously added active TGF- β 1.
 38. **(New)** The method of claim 31, wherein the culture conditions further include exogenously added active TGF- β 1.--